

C1. CHAPTER 1 INTRODUCTION

C1.1. GENERAL

C1.1.1. These explosive safety standards (hereafter referred to as “Standards”) are issued under the authority of DoD Directive 6055.9E (Reference (a)). These Standards are designed to manage risks associated with DoD-titled ammunition and explosives (AE) by providing protection criteria to minimize serious injury, loss of life, and damage to property. It is DoD policy to comply with the applicable Federal and State laws and regulations. Where the Standard conflicts with such laws and regulations, DoD components shall ensure the safety of DoD personnel and the public while complying and notify the Chairman, DDESB, through its Board Member, of the conflict. These Standards are not intended to be so rigid as to prevent the DoD Components from accomplishing their assigned missions.

C1.1.2. Criteria provided by these Standards are given in English units (e.g., ft, lb, psi.) with metric equivalents shown in brackets (e.g., [m, kg, kilopascal (kPa)]).

C1.2. EXPLOSIVES SAFETY MANAGEMENT (ESM) POLICY

As established in DoD Directive 6055.9E (Reference (a)) and consistent with peacetime, contingency, or wartime operational requirements and corresponding DoD military munitions requirements from the broadest and most fundamental Explosives Safety Management (ESM) perspective, it is DoD policy to:

C1.2.1. Provide the maximum possible protection to people and property from the potential damaging effects of DoD military munitions (explosive and chemical). Applying the Standards herein provides only the minimum protection criteria for personnel and property, and greater protection should always be provided when practicable.

C1.2.2. Minimize exposures consistent with safe and efficient operations (i.e., expose the minimum number of people for the minimum time to the minimum amount of explosives or chemical agents).

C1.3. APPLICABILITY

These Standards:

C1.3.1. Apply to DoD-titled AE wherever it is located.

C1.3.2. Apply to DoD personnel and property when potentially endangered by known host-nation or off-installation AE hazards.

C1.3.3. Govern DoD facilities siting and construction, except as indicated in paragraph C1.3.5.

C1.3.4. Apply to the evaluation of non-DoD explosives siting submissions on DoD installations (see paragraph C9.8.22.).

C1.3.5. Do not apply for the exceptions described in subparagraphs C1.3.5.1. through C1.3.5.3. These exceptions must be documented per subparagraph C1.3.5.4.

C1.3.5.1. Existing facilities, or those approved for construction under then-current editions of these Standards. This exception applies for the balance of the useful lives of such facilities provided:

C1.3.5.1.1. The facility continues to be used for its intended purpose.

C1.3.5.1.2. The explosives safety hazards are not increased.

C1.3.5.1.3. Redesign or modification is not practicable.

C1.3.5.1.4. The quantity of AE cannot be reduced for reasons of operational necessity.

C1.3.5.2. Those planned facilities that do not meet these Standards, but have been certified by the Head of the DoD Component (see paragraph C1.5.4.) as essential for operational or other compelling reasons.

C1.3.5.3. To other situations that, upon analysis by both the DoD Component and the Department of Defense Explosives Safety Board (DDESB), are determined to provide the required degree of safety through use of protective construction or other specialized safety features.

C1.3.5.4. The DoD Components must document the above exceptions in permanent records. These records must include:

C1.3.5.4.1. The effective date the applicable Standards were first published.

C1.3.5.4.2. The date the deviant facility was either approved, from an explosives safety viewpoint, for use or was first used in the deviating manner.

C1.4. TERMINATION OF USE OF FACILITIES STORING AE

Each storage facility no longer used to store ammunition and explosives must undergo a process to ensure that AE and any visible explosives residues are removed within 180 days from the last use of the storage facility. Those procedures help ensure that no threats to human health or the environment remain when the unit is no longer to be used to store AE. (Ammunition storage

units (ASU) that have been used to store waste military munitions must also comply with the closure procedures in Chapter 14, section C14.6.) Those procedures shall include the following:

C1.4.1. Emptying the storage facility of all AE and related materials.

C1.4.2. Cleaning the storage facility, as required, to remove any visible explosives residue.

C1.4.3. Visually inspecting the storage facility for the presence of remaining ammunition or explosives or visible explosives residue by a knowledgeable individual appointed by the installation or responsible activity commander.

C1.4.4. Removing from the storage facility all fire and chemical hazard symbols and marking the storage facility as empty.

C1.4.5. Securing the storage facility to prevent inadvertent use or access.

C1.4.6. Notifying the applicable emergency response and regulatory authorities of the change in the storage facility's use.

C1.4.7. Recording the date the storage facility was inspected, the name and position of the inspector, and the results in permanent real estate records.

C1.5. WAIVERS, EXEMPTIONS, AND SECRETARIAL EXEMPTIONS OR CERTIFICATIONS

C1.5.1. General. When strategic or compelling operational requirements necessitate deviation from these Standards, the DoD Component shall:

C1.5.1.1. Acknowledge and accept the added risk to personnel or property.

C1.5.1.2. Document both the risk and methods used to reduce it to an acceptable level in relation to the operational requirements.

C1.5.2. Waivers. A waiver is a written authority that permits temporary deviation from these Standards for strategic or compelling operational requirements. Generally, it is granted for a period not to exceed 5 years pending termination of the waiver or correction of the waived conditions. Exceptional situations may require a waiver to be reissued to allow either completion of the operation requiring the waiver or time for completion of the corrective action. In such cases, the next higher approval authority shall reissue the waiver; the exception is when the head of the DoD Component or the responsible Combatant Commander has issued the waiver. Waivers shall be reviewed for applicability and currency at intervals not to exceed 2 years. Waivers may be granted by the official with both:

C1.5.2.1. The assigned responsibilities consistent with the level of risk.

C1.5.2.2. The authority to control the resources required to accomplish the corrective action.

C1.5.3. Exemptions. An exemption is a written authority that permits long-term noncompliance with these Standards for strategic or compelling operational requirements. Exemptions shall be reviewed for applicability and currency at intervals not to exceed 5 years. Exemptions may be granted by law, Congressional action, and the official assigned responsibilities consistent with the level of risk.

C1.5.4. Secretarial Exemptions or Certifications. A Secretarial Exemption or Certification is a written authority granted by a Secretary of a Military Department to deviate from the requirements of these Standards to allow the construction of new potential explosion sites (PES) or exposed sites (ES). To validate the strategic or compelling operational requirements and ensure the identification of risks and exposures, these exemptions or certifications shall be reviewed at intervals not to exceed 5 years.

C1.5.5. Report Control Symbol (RCS) DD-AT&L(AR)1643. (See DoD 8910.1-M (Reference (b)).) When the DDESB requests information on exemptions and waivers, the DoD Components shall provide the following, as applicable:

C1.5.5.1. Identification number (DoD Component-derived).

C1.5.5.2. Classification (waiver or exemption); approval authority's title; and date of approval, expiration, or cancellation, as applicable.

C1.5.5.3. Location.

C1.5.5.4. Condition waived or exempted.

C1.5.5.5. Net Explosive Weight (NEW) or Net Explosive Weight for Quantity-Distance (NEWQD) by Hazard Division (HD) at a PES.

C1.5.5.6. Distance from the PES to any ES and a brief description of the ES to include: type, estimated value of any property involved, and location of the property (e.g., on or off installation).

C1.5.5.7. Estimated number of DoD and non-DoD personnel located at the ES.

C1.5.5.8. Calculated hazard distances (see public exclusion distance), as applicable.

C1.5.5.9. Planned corrective action, to include the expected completion date.

C1.5.5.9.1. Estimated cost to correct.

C1.5.5.9.2. Military construction project number, if assigned.